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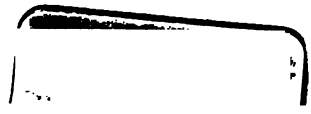

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INSTITUTION

OF

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PREFACE.

THIS GENERAL INDEX of Volumes XXI. to XXX. (inclusive) forms a continuation of the previous Index of Volumes I. to XX., and has been compiled upon the same plan. In its preparation the first step taken was to make out a list of the subjects forming the contents of these volumes; next to indicate, between inverted commas, the exact titles of the different "Papers," under their leading subject-heading, and then to append to these the analysis of each communication, as previously given, with, in addition, an Alphabetical List of the various speakers. It will also be found that, with a view to facilitate consultation, as many cross-references and subordinate entries have been introduced as possible. In every case the name of the author appears as part of each subject-entry. The name-entries were afterwards proceeded with, and in regard to these, it will be observed that they had to be entirely remodelled. Thus, there is first given, after each name, within brackets, what may be termed the personal history in the Institution of every individual—his election,

the awards he has received, the positions he has filled, etc. Then, alphabetically arranged under each name, are the subjects upon which he has written or spoken at the meetings, corresponding with the main subject-entries throughout the work.

The principal subject and name entries have been printed in capital letters, while the cross-references and minor entries are in ordinary type. It is believed that by the system adopted, it will be an easy task to find what has been communicated in writing to the Institution, or has been spoken at the meetings, on any question, or by any individual, during the period to which this General Index relates. At the same time, the members of all classes are earnestly desired to point out any omissions, or errors, they may find, with a view to a corrected copy of the Index being preserved in the Institution.

THE INSTITUTION OF CIVIL ENGINEERS.
25, *Great George Street, Westminster, S.W.*
August 3, 1871.

MINUTES OF PROCEEDINGS

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